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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/718,748 11/21/2003		Duncan Curry	ATM-207	1783		
3897	7590 09/07/2004		EXAM	EXAMINER		
SCHNECK P.O. BOX 2-1	& SCHNECK	MAI, SO	MAI, SON LUU			
	CA 95109-0005	ART UNIT	PAPER NUMBER			
			2818			
			DATE MAILED: 09/07/2004			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)				
Office Action Summary		10/718,748		CURRY, DUNCAN				
		Examiner		Art Unit				
		Son L. Mai		2818				
The MAILING DATE of this of Period for Reply	ommunication app	ears on the d	over sheet with the c	orrespondence add	iress			
A SHORTENED STATUTORY PE THE MAILING DATE OF THIS CO - Extensions of time may be available under the after SIX (6) MONTHS from the mailing date or - If the period for reply specified above is less the - If NO period for reply is specified above, the m - Failure to reply within the set or extended perion - Any reply received by the Office later than thre earned patent term adjustment. See 37 CFR 1	MMUNICATION. provisions of 37 CFR 1.13 f this communication. an thirty (30) days, a reply aximum statutory period w d for reply will, by statute, e months after the mailing	36(a). In no event within the statuto vill apply and will a cause the applica	, however, may a reply be tim ry minimum of thirty (30) days expire SIX (6) MONTHS from ation to become ABANDONE	ely filed s will be considered timely, the mailing date of this coi O (35 U.S.C. § 133).				
Status								
1) Responsive to communication	on(s) filed on 21 No	ovemb <u>er 200</u>	3 and 24 February 2	<u>2004</u> .				
2a) This action is FINAL .								
<i>'</i> —								
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4a) Of the above claim(s) 5)⊠ Claim(s) <u>1-9</u> is/are allowed. 6)⊠ Claim(s) <u>10-14</u> is/are rejecte 7)□ Claim(s) is/are object	Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. Claim(s) 1-9 is/are allowed. Claim(s) 10-14 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or election requirement.							
Application Papers					-			
9) The specification is objected 10) The drawing(s) filed on 21 No Applicant may not request that Replacement drawing sheet(s) 11) The oath or declaration is obj	ovember 2003 is/an any objection to the conducting the correction	re: a)⊠ acc drawing(s) be ion is required	held in abeyance. See I if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CF	R 1.121(d).			
Priority under 35 U.S.C. § 119								
12) Acknowledgment is made of a) All b) Some * c) No 1. Certified copies of the 2. Certified copies of the 3. Copies of the certified application from the In * See the attached detailed Offi	ne of: priority documents priority documents copies of the prior ternational Bureau	s have been s have been rity documen u (PCT Rule	received. received in Applicati ts have been receive 17.2(a)).	on No ed in this National S	Stage			
Attachment(s)			_					
1) Notice of References Cited (PTO-892)	Daview (PTO 640)	4	i) Interview Summary Paper No(s)/Mail Da					
 Notice of Draftsperson's Patent Drawing Information Disclosure Statement(s) (PTC Paper No(s)/Mail Date <u>02-24-04</u>. 				atent Application (PTO	-152)			

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DETAILED ACTION

Information Disclosure Statement

1. The information disclosure statement filed 02-24-04 has been considered.

Claim Rejections - 35 USC § 112

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 3. Claim 10 recites the limitation "the security row" in line 6. There is insufficient antecedent basis for this limitation in the claim.
- 4. Claim 14 recites the limitation "said lockbit sense amplifier" in lines 1-2. There is insufficient antecedent basis for this limitation in the claim.

Claims 11-14 are also rejected for depending on and including the limitations of claim 10.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 10 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by Usami et al. (U.S. Patent 6,076,149).

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Regarding claim 10, Usami discloses a method of operating an embedded semiconductor memory (memories 51, 52 embedded in MCU chip 2) comprising: having security lock protection responsive an external access request to said memory (column 5); and disabling external access to a memory array row whenever a security bit (2-bit security bit; column 4, line27) in the security row indicates locked status, and otherwise enabling access to the memory array (with A=1 and B=1; column 5, lines 46-53).

Regarding claim 11, Usami discloses in figure 2 that internal access (such as R/W) is enabled regardless of locked/unlocked status.

Allowable Subject Matter

- 7. Claims 1-9 are allowed.
- 8. Claims 12-14 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.
- 9. The following is a statement of reasons for the indication of allowable subject matter: The prior art of record fails to teach or suggest at least the limitation of claim 12 which includes erasing memory contents of the memory prior to resetting security row memory cell elements and lock bit cells to an unlocked status.

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Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Brownlee, Paul M. et al. (U.S. Patent 5,642,480) teach security bit employed to grant access to a memory array.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son L. Mai whose telephone number is 571-272-1786.

The examiner can normally be reached on 8am to 6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on 571-272-1787. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

09-01-04

Son L. Mai Primary Examiner Art Unit 2818